



### What is ANSMET?

**1969:** Japanese explorers find 5 different kinds of meteorites on blue ice near Yamato Mountains

**1976:** Bill Cassidy gets NSF support for meteorite expedition within reach of the U.S. base at McMurdo

85% of the world collection is Antarctic  
ANSMET has recovered >25,000 meteorites

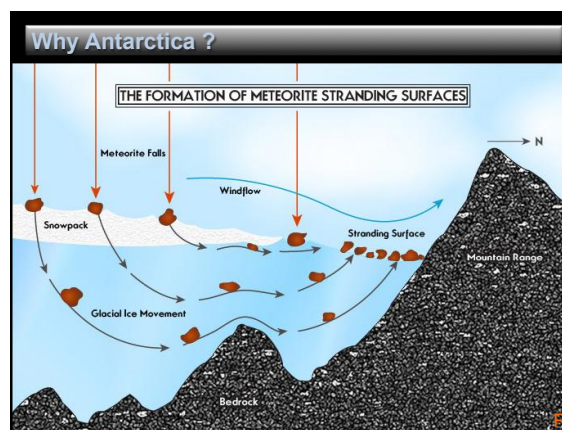
### Where do meteorites come from?

Chondritic Stony Meteorite  
Asteroid Type C

Iron Meteorite  
Asteroid Type M

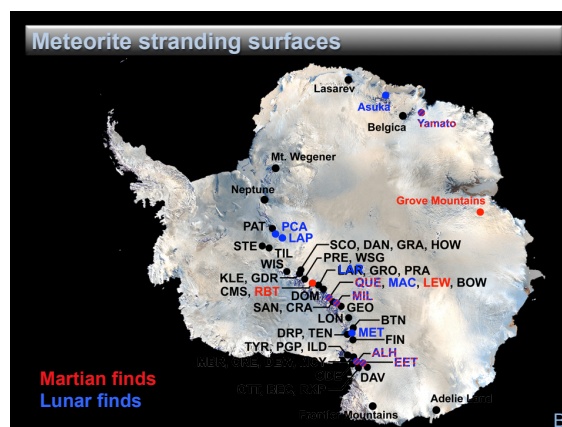
Pallasite Meteorite

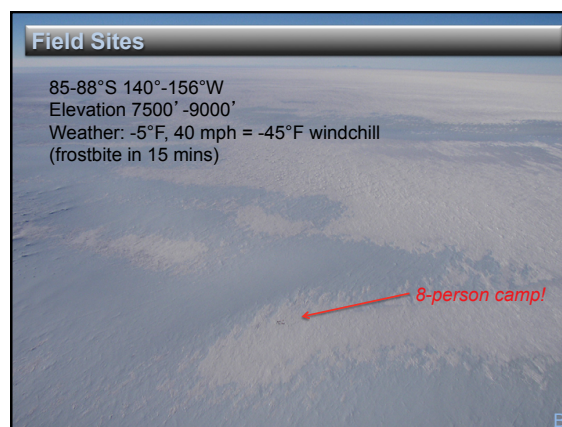
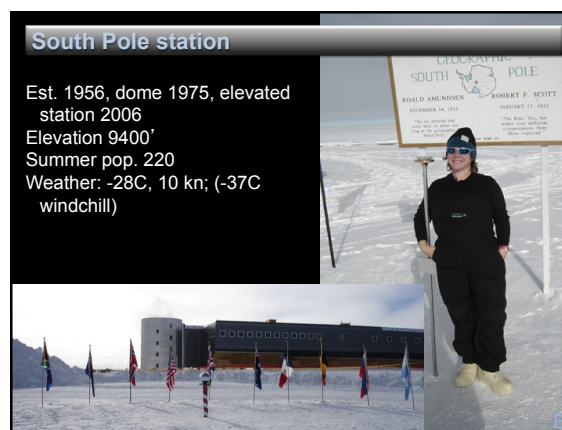
Achondritic Stony Meteorite  
Asteroid Type S



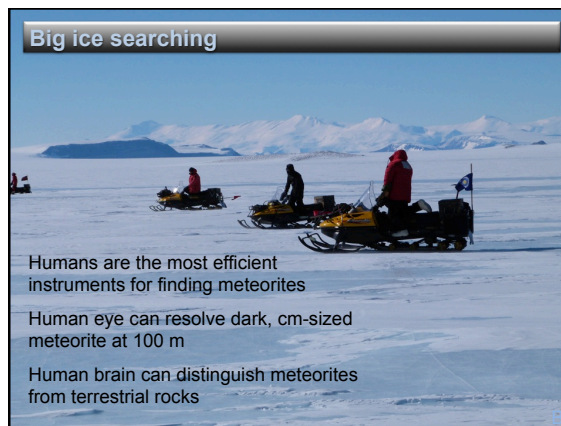
### The U.S. in Antarctica

- Permanent US Bases at Palmer Station, McMurdo Station, South Pole Station
- 2 research vessels
- ~10 seasonal outposts
- Many field camps

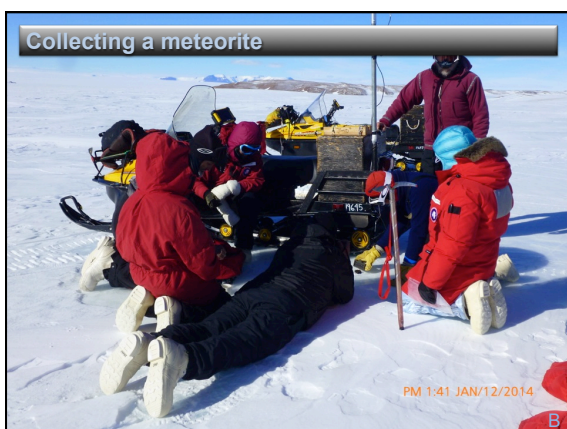




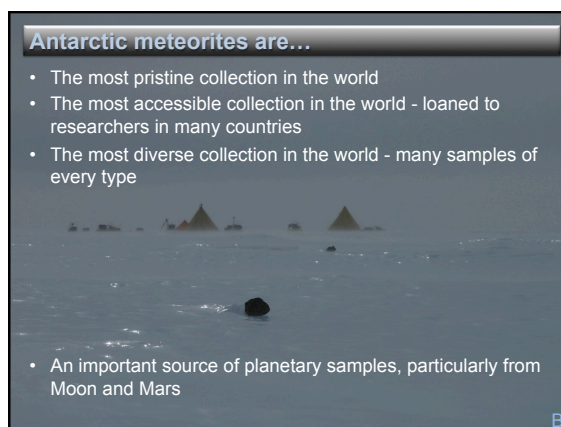
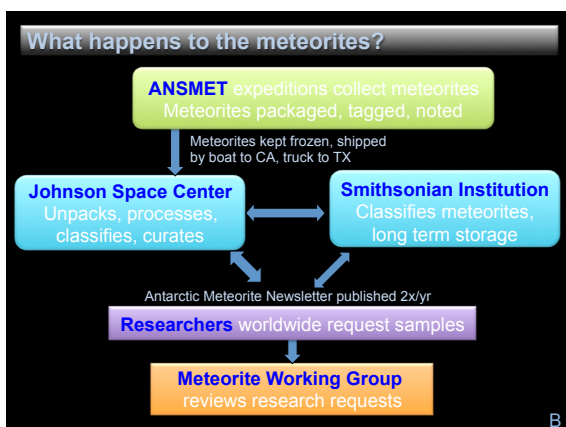
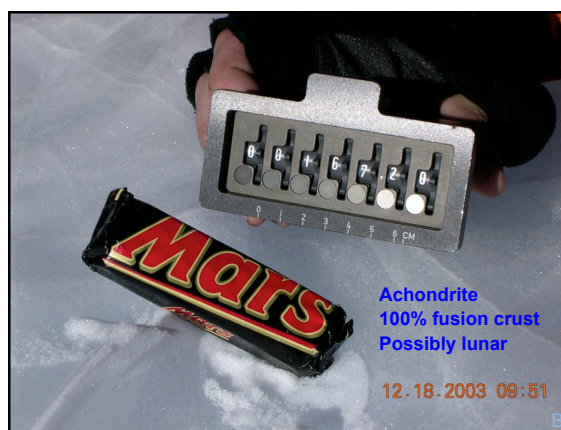














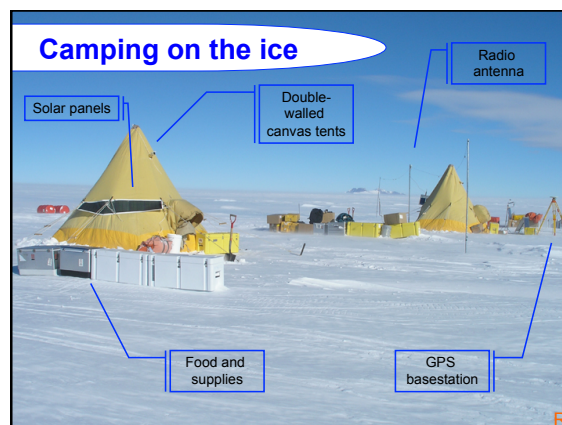
**“If you’ve done ANSMET, you’ve done long duration space flight.”**

~ Don Pettit, ANSMET veteran and three-time Space Shuttle and International Space Station crew member.

harsh, isolated, dangerous,  
small quarters, limited  
communication



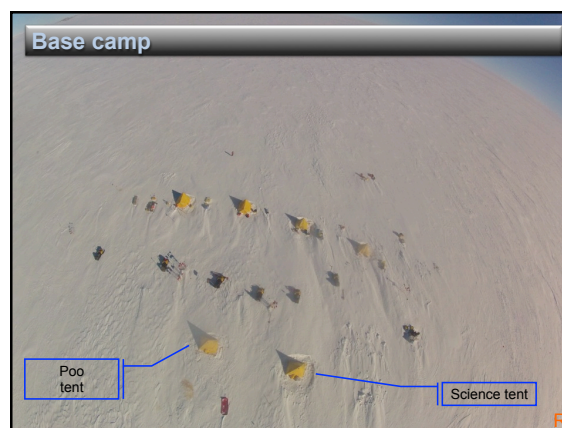
### Camping on the ice



### Base camp



### Base camp



### What we eat

**Breakfast:** oatmeal, bagels/english muffins fried in butter, BACON

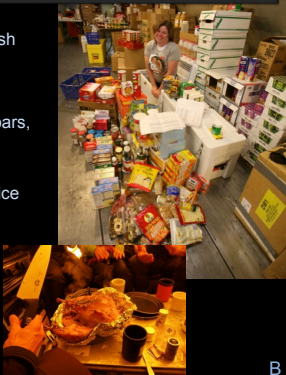
**Lunch:** sandwiches, instant soup

**Snacks:** trail mix, jerky, granola bars, lots of chocolate

**Dinner:** steak, fish, frozen vegetables, tofu, boxed pasta & rice mixes, curry, stirfry

**Drinks:** hot chocolate, tea, juice boxes, Raro (NZ Koolaid)

melt our own water!



### Waste management





